

Title (en)
Versatile signal generator

Title (de)
Vielseitiger Signalgenerator

Title (fr)
Générateur de signal polyvalent

Publication
EP 0935339 A1 19990811 (EN)

Application
EP 99300672 A 19990129

Priority
• US 1914698 A 19980205
• US 13687798 A 19980819

Abstract (en)
A versatile signal generator (100) for generating digitally modulated test signals computed in real-time is provided. Each of the blocks of the versatile signal generator, including the MUX (200), coder (202), map (204), filter (204), re-sampler (104), and complex modulator (110), are implemented in a sufficiently flexible manner so as to allow ready configuration to produce any of a variety of digitally modulated signals as well as high quality analog modulated signals. Each of the blocks may be implemented using ASICs and RAM that to obtain high symbol rates while being capable of being reconfigured for different test signals as needed. The versatile signal generator has a real time input (106) for receiving input data to modulate the test signal in real time. <IMAGE>

IPC 1-7
H03C 5/00; **H04L 27/00**; **H04L 1/24**

IPC 8 full level
G01R 31/3183 (2006.01); **H03B 28/00** (2006.01); **H04B 17/00** (2006.01); **H04L 1/24** (2006.01); **H04L 27/00** (2006.01)

CPC (source: EP US)
H04L 1/244 (2013.01 - EP US); **H04L 27/0008** (2013.01 - EP US)

Citation (search report)
• [Y] EP 0377519 A2 19900711 - NEC CORP [JP]
• [A] US 4742518 A 19880503 - SHEDD DENNIS A [US]
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